

CLEAN VERSION OF REWRITTEN OR ADDED CLAIMS  
PURSUANT TO 37 CFR § 1.21 (c)(1)(i)

✓ Please cancel claims 26-29.

Please enter the following rewritten claims:

- Sub E1* 1. A method for the detection of altered distributions of protein binding sites comprising:
- D1*
- a) providing: i) a tissue sample from a human suspected of having a demyelinating disease, and ii) iron binding protein;
  - b) reacting said tissue sample with said iron binding protein in vitro and;
  - c) measuring the extent of binding of said iron binding protein to said tissue sample, under conditions such that altered distributions of iron binding protein sites are detectable.

- D2* 2. The method of Claim 1, wherein said tissue sample is brain tissue.

- Sub E3* 17. A method for the detection of altered distributions of protein binding sites comprising:
- D3*
- a) providing: i) a tissue sample from a human suspected of having a demyelinating disease, and ii) iron binding protein wherein said iron binding protein is linked to a detectable marker;
  - b) reacting said tissue sample with said iron binding protein in vitro; and
  - c) measuring the extent of binding of said iron binding protein to said tissue sample, under conditions such that altered distributions of iron binding protein sites are detectable.

18. The method of Claim 17, wherein said tissue sample is brain tissue.